

THERMAL CHARGE®

HEAT TRANSFER FLUID

XL Inhibited Ethylene Glycol-Based Nitrite-Free Extended Life Coolant For Stationary Engines



DESCRIPTION

Thermal Charge® XL is a nitrite-free Organic Acid Technology (OAT), ethylene glycol-based extended life coolant which contains organic inhibitors (non 2-EH) to provide guaranteed protection for all system metals. Its phosphate-free formula helps prevent scaling that can impede heat transfer and cause cylinder head cracking. With proper maintenance, Thermal Charge XL can protect cooling systems for up to 20,000 hours in stationary engines without the use of additional inhibitors.

BENEFITS

- Works in ALL heavy duty stationary engines
- Protection for up to 20,000 hours
- Excellent heat transfer for high temperature applications such as engines with EGR and SCR systems
- Provides protection against freezing and boilover
- Excellent protection against corrosion and wet-sleeve liner cavitation
- Non-abrasive formula can improve water pump seal life
- Nitrite, phosphate, silicate and borate-free formula reduces the risk of scale
- Meets the ASTM D3306 requirements for ASTM D1384, which is the industry standard test method to demonstrate corrosion protection of all system metals (copper, standard solder, brass, steel, cast iron, cast aluminum)
- Meets ASTM D6210 requirements for use in heavy duty applications
- Can be mixed with other coolants

SUITABLE APPLICATIONS

- All heavy duty diesel, gasoline and natural gas stationary engines
- Gas distribution line heaters
- Indirect heaters

THERMAL CHARGE XL FREEZE/BOIL PROTECTION CHART	% of System Capacity	PROTECTS FROM	
		Freezing Down to	Boiling up to**
	40	-13°F	+205°F
	50	-34°F	+265°F
	60	-62°F	+270°F

**Using a 15 lb. pressure cap at sea level.

SPECIFICATIONS/RECOMMENDED USE

Meets these specifications:

- ASTM D6210
- ASTM D3306
- ASTM D4985

Recommended for use where the following equipment and specifications are cited:

- | | |
|------------------|--------------|
| • Agco | • Komatsu |
| • CAT | • Kubota |
| • CNH | • MAN |
| • Cummins | • Mercedes |
| • Detroit Diesel | • MTU |
| • Deutz | • Navistar |
| • Fendt | • Volvo/Mack |
| • International | • Waukesha |
| • John Deere | |

To order, please call **1-800-323-5440** or email commercial@owi.com

For technical support, call 1-800-477-5847

PROPERTIES	ASTM TEST METHOD	% VOL		
		40%	50%	100%
Specific Gravity @ 60/60 °F	D1122	1.05	1.08	1.135
pH of Solution	D1287	8.3 min	8.5 min	8.5 min†
Reserve Alkalinity, mL	D1121	4.5 min	4.5 min	10 min
Freezing Point, °F/°C	D1177, D3321, D6660	-5/-21	-34/-37	-34/-37†
Burst Point, °F/°C	-	-60/-51	-60/-51	-60/-51
Boiling Point*, °F/°C	D1120	221/105	226/108	310/154
Chloride, ppm	D5827	<25	<25	<25
Odor	-	Not Offensive		
Color	-	Red		

* At atmospheric pressure
† At 50/50 dilution

PRODUCT AVAILABILITY

	PART NUMBER		
Bulk	TEAX40	THAB50	THAOB0
275 Gallon Tote	THAO48	THAB58	THAOB8
55 Gallon Drum	THAO41	THAB51	THAOB1



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